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1 Engineering and scientific applications: On extending the functions of a relational database system
Roger L. Haskin, Raymond A. Lorie
June 1982 **Proceedings of the 1982 ACM SIGMOD international conference on Management of data**
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> Relational database systems are attracting great interest from potential users outside the traditional areas in which such systems have been employed. Features of modern relational systems such as powerful query facilities, data and device independence, concurrency control, and recovery are useful in applications such as engineering design, office automation, and graphics. However, such applications place demands on the system that it must be extended to handle. This paper identifies three of th ...

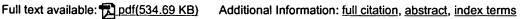**2 Remotely-sensed geophysical databases: experience and implications for generalized DBMS**
Guy M. Lohman, Joseph C. Stoltzfus, Anita N. Benson, Michael D. Martin, Alfonso F. Cardenas
May 1983 **ACM SIGMOD Record , Proceedings of the 1983 ACM SIGMOD international conference on Management of data**, Volume 13 Issue 4
Full text available: ⬚ pdf(1.85 MB)   Additional Information: full citation, abstract, references

> This paper presents the characteristics of scientific remotely-sensed databases that are relevant to --- and pose unique challenges for --- general-purpose database management systems (DBMSs). We describe a prototype system that integrates geophysical data and its metadata from both satellite and *in situ* sources, using a relational general-purpose DBMS to manage the catalog and observational data, and a video optical disk to archive images. Based upon our experience with this application, ...

3 Timer-driven database triggers and alerters: semantics and a challenge
Eric N. Hanson, Lloyd X. Noronha
December 1999 **ACM SIGMOD Record**, Volume 28 Issue 4
Full text available: ⬚ pdf(534.69 KB)   Additional Information: full citation, abstract, index terms

> This paper proposes a simple model for a timer-driven triggering and alerting system. Such a system can be used with relational and object-relational databases systems. Timer-driven trigger systems have a number of advantages over traditional trigger systems that test trigger conditions and run trigger actions in response to update events. They are relatively

easy to implement since they can be built using a middleware program that simply runs SQL statements against a DBMS. Also, they can c ...

4 Ready. Fire!! Aim???

Jeffrey K. Holtzman

November 1993 **Proceedings of the 11th annual international conference on Systems documentation**

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